

Feb 7, '88
 11-11-11
 3 = 4 1/2
 12

Feb 800 11-
 (scand)

Sacred Son, and other lies by ...
 Subaltern Officers with me well(?)
 By wishing me every day in hell
 And my soldiers second the wish they tell
 But I'm mine in a Regiments that Con'ore

I can ... (Heiderma) ...
 San Pedro ... in Arizona, ... inches
 in length.
 Reformer Prof J E James
 Chas Wallace
 E. K. Otay

Febr. 10, 1888.				10
Cooper's Hawk			16	<u>3 $\frac{1}{2}$</u>
Merganser	♂		3	16
Gambel's Quail	♂		6	16
"	"	♂	6	16
"	"	♂	5 $\frac{1}{2}$	<u>16</u>
"	"	♂	5 $\frac{1}{2}$	<u>16</u>
"	"	♀	6 $\frac{1}{2}$	<u>16</u>
"	"	♀	6 $\frac{1}{2}$	<u>16</u>

Females average
fully as much as
males?

Edgar A. Mearns
(over)

Carpenter Hawk ♂ ad.
Irides cherry-red.
Above greenish. Bill
bluish at base, blackish
at tip. Legs & feet
light greenish-yellow
Claws plumbeous

Arizona March 6,
1888

6048. *Merganser amer.* ♂ ad.
6047. *Ardea herodias* ♂ ad.
6016 *Glaucionetta claus-*
=*gula americana* ♂ ad.
Fort Verde Arizona
No. 6047 with parasites
attached to mucous membranes

Tongues of
Olos

Olos columbianus

from Tongues,
March 1888

6048 ♂ ad. *Merganser*
americana Feb. 10, 1888
6047 ♂ ad. *Ardea herodias*
Feb. 9, 1888

6016 *Glaucionetta clausula*
americana Feb. 3, 1888.
All from Fort Verde,
Arizona.



OFFICIAL BUSINESS.

Merganser americana

Collected on Fort Verde
Arizona May 18, 1888

[illegible]

No.

Name.

Address.

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1885

May 5. Ft. Verde, A. T.
Saw one ♀ Kingfisher

May 6, 1885.

Rode to Bloody Basin,
camped at
Pinto's where Cooper's. A male
shot on Verde River at Goodlands
River near its mouth.
Color which resembles a
T. l. at first, before I saw it
I was lonely & but heard
when I caught it.Amphispiza bilineata. A
young one just able to
fly a little way.

Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Amount of Bill.	Amount of Bill.
------	------	--------	--------	------	-------	-------	---------	-------	------	------	------	--------------------	--------------------

Notes on
Melopelia leucoptera
Calyptae costae
Callipepla
Astragalinus
 etc. pp. 172, 173

January.

No.	Patient.	T F S			Am't. Prescription.
		1	2	3	

Melospiza cinerea. makes a
single. Its note is "cuck-oo",
notes given with force & more
drivingly beside streams. The
of late conspicuous in the

Colaptes costae. - I prefer the
also frequent near quies-
scent. A female affa-
in the air and drove him

Phainopepla nitens families
seen above & below the

Geothlypis trichas singing ex-
palmers thrasher found
right of which it breeds.
Geothlypis trichas seen
leucophaea had nest in
beside road in Black Canon.
Spent & nearly all day
partridge frontalis, bird
beautiful nests of a pair
An *Astragalinus* shot
had a new cluster of eggs
May 19. *Cardinalis* nest Mountain
Sage. Both parents in
the dropping branches of a
the hollow summit of which
nest 6 ft. from ground. Made
the a type of cottonwood
like wood thrush

January.

No.	Patient.	T F S			Am't. Prescription.
		1	2	3	

flapping & scurrying sound in
cuck-oo (4 notes or 12. 2-syllable
used in song. Found
curved wing bars & white tip
tail

desert willow flowers &
snow in desert. Very
red a squalling Killdeer
to the ground & made him shut up
of young with parents in

visibly in willows along Gue
clear to Bumblebee pen.
Also Cactus Wren, but no
beyond Swelling's ranch.
In Black Canon. *Melospiza*
palmeri (green-bay) & *aberti*
Pat on nest while I was
near. Took her off just as I was
in the white eagle building
red line plant. Bumblebee
Agnate at Swelling's Ranch
in the shade

one egg was found on
it. The nest was built in
large willow stump. It
was a nest of *Geothlypis*
externally of coarse stick
leaves. Lined with root

RECORD OF PRACTICE.

January. *May*

No.	Patient.	Su	M	T	W	T	F	S	Am't.	Prescription.
		4	5	6	7	8	9	10		

<i>Empidonax</i>				X						<i>traillii ju</i>
<i>Bulorides</i>				X						<i>virgatus</i>
<i>Geothlypis</i>				X						<i>richardsoni</i>
<i>Hal. eb</i>				X						<i>gregarius</i>
<i>Empidonax</i>							X			<i>hammondi</i>
<i>Geothlypis</i>										

April 24 *Merula erythrogaster*,
 at Seneca a male sat on a
 telegraph wire singing a
 distinct song.

Ardea tricolor ^{and} ruficollis (Gosse). Louisiana Heron.
Ardea rufescens Gmel. Reddish Egret.

<u>Ardea tricolor ruficollis</u>		<u>t. ruficollis</u>	
<u>Ardea rufescens</u>		fide H. M. C.	
3349	♀ juv. Sept. 24, 1884	Beaver Creek, near Ft. Verde, Arizona.	211 ✓
4977	♂ ad. Aug. 27, 1886	Verde River at Fort Verde, Arizona.	44 ✓

Callipepla gambeli Set of 20. Fort Verde, Arizona
May 29, 1886.

Zenaidura macroura. Set of 2. Fort Verde, Arizona,
May 29, 1886.

Zenaidura macroura. One egg. Fort Verde, Arizona,
May 29, 1886.

Harporhynchus crissalis. Set of 2. Fort Verde, Ariz.
In lower branches of cottonwood-tree. May 29, 1886.

Box No. 10.

(Box No. 10) Mimus polyglottus. Set 4. Fort Verde, Arizona
May 29, 1886.

Zenaidura macroura Set 2 Fort Verde, Arizona
May 29, 1886.

Zenaidura macroura. Set 2 Fort Verde, Arizona.
May 29, 1886.

Carpodacus frontalis Set 5. Fort Verde, Arizona.
May 29, 1886.

Petrochelidon lunifrons. Set 4. Post Hospital
building, Ft. Verde, Arizona. May 30, 1886.

Phainopepla nitens. Set 2 fresh eggs. Mesquite
bush, 6 feet from ground Nest kept. June 6, 1886,
Fort Verde, Arizona.

Phainopepla nitens. Set 2 eggs & nest. Eggs
contained large embryos, and were very dark,
having a reddish ground. Mesquite; 6 feet.

June 6, 1886. Fort Verde, Arizona.
Cephalotyx (Callipepla) gambeli. Set 10. Under
a sage bush, June 7, 1886. Ft. Verde, Arizona.

Geothlypis trichas occidentalis. Set 3 eggs containing large embryos. Nest built in a tussock of sedge-grass in the edge of Beaver Creek, near Ft. Verde, Arizona, June 7, 1886.

Box No 11.

Minus polyglottus. Set 4 eggs, containing small embryos. June 6, 1886 Mesquite, 7 feet from ground. Fort Verde, Arizona.

Pipilo aberti. 1 addled egg taken from a nest in a black walnut tree on Beaver Creek, near Ft. Verde, Arizona, June 7, 1886. The young were largely grown.

Icteria virens longicauda. Set 4 fresh eggs. Nest built 3 ft. from ground in the dense lower branches of a cottonwood beside the Verde River. Nest preserved. Ft. Verde, Arizona, June 6, 1886.

??? Piranga hepatica. Set $\frac{a}{3}$. 23 miles east of Ft. Verde, Arizona. July 1, 1886. There were two very anxious Tanagers in the oak-tree in which I took this nest; but it may be a Mockingbird, as the eggs resemble theirs, and I did not see the birds on the nest.

Zenaidura macroura Set 2. Mud. Tanks, 20 miles East of Fort Verde, Arizona, July 1, 1886. Nest in an Oak-tree.

Columba fasciata. Set $\frac{a}{1}$, Parent (No. 49449a) taken as she flew from nest. Natural Bridge, Pine Creek, Arizona. July 4, 1886.

Minus polyglottus. Set 4 June 26, 1886. Cottonwood hedge, 7 feet, Incubation commenced.

Myiarchus cinerascens. Set 7. June 26, 1886. Nest in fence-post (Frank Jordan's rancho) 4 feet from the ground, in old burrow of Picus scalaris. Contained 1 half-fledged young + 1 egg.

Chondestes gram. strigatus. Set 2 fresh. In
Cottonwood hedge, 7 feet, nest large & bushy.
June 26, 1886. Fort Verde, Arizona.

Sayornis nigricans. Set $\frac{A}{3-1}=2$. June 26,
1886. Fort Verde, Arizona. Nest built under
Jordan's mill-race.

Lathropeus mexicanus conspersus. Set $\frac{A}{6}$ with
nest. May 27, 1886. Gonto Basin, Arizona.
Collected by Willard Rice, who discovered it when
handling a pile of rocks, while building a road.

Hirundo erythrogastra. Set 4 Head's (the
Post Trader) barn; Ft. Verde, Arizona, June 11, 1886.

Phainopepla nitens. Set 2. Ft. Verde, Ariz.
May 29, 1886.

Minimus polyglottus. Set 4 Ft. Verde, Arizona.
May 29, 1886.

Zenaidura macroura Set 2 Ft. Verde, Arizona.
May 29, 1886.

Harporhynchus crissalis 3 Ft. Verde, Arizona
May 29, 1886.

Callipepla Box No. 12

Callipepla gambeli. Set of 20 Ft. Verde, Arizona,
May 29, 1886.

Zenaidura macroura Set 2 Ft. Verde, Ariz.
May 29, 1886.

Icterus galloeki. Set 3 June 4, 1886. Ft. Verde,
Arizona.

Minimus polyglottus. Set 3 Nest in a spring "palo-
Verde" on the eastern mesa near Ft. Verde, Ariz. June 3, 1886.

(Box 13)

Box No. 13.

Mimus polyglottus. Set 3. June 4, 1886.
Fort Verde, Arizona.

Zenaidura macroura Set 2 nest in grape-vine,
6 feet from ground. May 14, 1886 Ft. Verde, Arizona.

Mimus polyglottus. Set. 4. June 4, 1886. Fort
Verde, Arizona

Carpodacus frontalis Set 5. (The first taken
in 1886 () Same date as Scops trichopsis
and Picus scalaris.

Phainopepla nitens. Set 3. June 6, 1886. Fort
Verde, Arizona. Nest in mesquite, 5 feet. Fresh.

Phainopepla nitens. Set. 3 June 6, 1886. Fort
Verde, Arizona. Nest in mesquite, 5 feet from
the ground, June 6, 1886. Small embryos

Mimus polyglottus set 4. June 6, 1886,
Mesquite, 4 feet. Ft. Verde, Arizona.

Icteria virens longicauda. Set 4 in mesquite
4 feet. Beaver Cr., June 7, 1886. Contained
small embryos. Egg of Molothrus in nest.

Mimus polyglottus. Set 4. June 6, 1886
Fort. Verde, Arizona. Mesquite 4 feet from ground

Molothrus ater obscurus 1 egg in nest of
Icteria virens longicauda (2nd Set above).

Chordeiles virg. henryi, Set $\frac{A}{2}$, Flagstaff,
Arizona, June 18, 1887. ♀ parent preserved.

Spizella breweri $\frac{A}{4}$ No. 180. Ft. Verde, Arizona,

May 30, 1884. Nest in a low sagebush.
Petrochelidon lunifrons. Set No. 185 $\frac{2}{4}$. Fort
Verde Arizona, June 4, 1884.

Box No. 14.

Set No.	$\frac{2}{3}$	<u>Campylorhynchus brunneicapillus</u> .
" "	$\frac{C}{1}$	<u>Cardinalis cardinalis superbus</u> .
" "	$\frac{4}{4}$	<u>Pipilo aberti</u> .
" "	$\frac{B}{6}$	<u>Lanius ludovicianus</u>
" "	$\frac{1}{1}$	<u>Pipilo aberti</u> .
" "	$\frac{E}{3}$	<u>Harporhynchus curvirostris palmeri</u> .
" "	$\frac{A}{1}$	<u>Melospiza leucoptera</u> .
" "	$\frac{B}{3}$	<u>Cardinalis cardinalis superbus</u> .
" "	$\frac{D}{3+1}$	<u>Harporhynchus cinereus bendirei</u>
" "	$\frac{1+3}{1+3}$	<u>Melospiza atrorobescens</u> .
" "	$\frac{4}{4}$	<u>Mimus polyglottus</u> .
" "	$\frac{A}{4}$	<u>Myiarchus cinerascens</u> .

Box No. 15.

Set No.	$\frac{D}{2}$	<u>Harporhynchus curvirostris palmeri</u> .
Set No.	$\frac{A}{3}$	<u>Sturnella neglecta</u> .
" "	$\frac{A}{2}$	<u>Harporhynchus cinereus bendirei</u>
" "	$\frac{2}{2}$	<u>Phainopepla nitens</u> .
" "	$\frac{Q}{1}$	<u>Harporhynchus lecontei</u> .
" "	$\frac{H}{5}$	<u>Campylorhynchus brunneicapillus</u> .
" "	$\frac{B}{3}$	<u>Harporhynchus curvirostris palmeri</u> .
" "	$\frac{A}{4-3}$	<u>Icterus parisorum</u> .
" "	$\frac{5-4}{7}$	<u>Carpodacus frontalis</u> .
" "	$\frac{7}{4}$	<u>Harporhynchus cinereus bendirei</u>
" "	$\frac{C}{1}$	<u>Harporhynchus curvirostris palmeri</u> .
" "	$\frac{4}{4}$	<u>Pipilo aberti</u> .
" "	$\frac{D}{1}$	<u>Campylorhynchus brunneicapillus</u> .
" "	$\frac{A}{4-1}$	(Species undetermined.)
" "	$\frac{E}{3-1}$	<u>Harporhynchus cinereus bendirei</u> .

Box 16.

(Box 16) No.	$\frac{B}{4}$	<u>Pipilo aberti.</u>
Set No.	$\frac{B}{3}$	<u>Harporhynchus cinereus benderi.</u>
" " 112 young	$\frac{A}{4}$	<u>Campylorhynchus brunneicapillus.</u>
" "	$\frac{A}{3}$	<u>Harporhynchus curvirostris palmeri.</u>
" "	$\frac{A}{5-2-1}$	<u>Lanius ludovicianus excubitorides.</u>
" "	$\frac{B}{2}$	<u>Phainopepla nitens.</u>
" "	$\frac{B}{5}$	<u>Mimus polyglottus.</u>
" "	$\frac{B}{3}$	<u>Harporhynchus lecontei.</u>
" "	$\frac{A}{2}$	<u>Zenaidura macroura.</u>
" "	$\frac{A}{3}$	<u>Cardinalis cardinalis superbus.</u>
" "	$\frac{A}{1}$	<u>Pipilo fuscus mesoleucus.</u>
" "	$\frac{A}{1}$	<u>Tyrannus vociferans.</u>
" "	$\frac{B}{3}$	<u>Campylorhynchus brunneicapillus</u>

Box No. 17.

Set No.	$\frac{B}{2}$	<u>Buteo abbreviatus.</u>
" "	$\frac{A}{1}$	<u>Buteo abbreviatus</u>
" "	$\frac{B}{1}$	<u>Buteo borealis calurus.</u>
" "	$\frac{C}{2}$	<u>Geococcyx californianus.</u>
" "	$\frac{B}{4}$	<u>Polioptila plumbea with nest.</u>

Box No. 18.

Set No.	$\frac{B}{5-2}$	<u>Geococcyx californianus</u>
" "	$\frac{B}{2}$	<u>Melospiza cinerea.</u>
" "	$\frac{B}{1}$	<u>Lophortyx gambeli</u> (Egg white; taken from body of parent.)
" "	$\frac{A}{1}$	<u>Callipepla gambeli.</u>
" "	$\frac{A}{13}$	<u>Callipepla squamata.</u>

Box No. 19.

- Set No. $\frac{C}{2}$ Melospiza leucoptera. Parent (No. 4058) taken. Nest in palo verde close beside the road, Black Pañon, near Bumblebee, Arizona. May 17, 1885.
- Set No. 11 Callipepla gambeli. Parent (No. 3902 ♀ ad) preserved. Between Fort Lowell and Mountain Spring, Arizona. April 7, 1885.
- Set No. 2 Zenaidura macroura. Ash Creek, Central Arizona. Nest placed on the bare ground, the locality being open, stony country, covered with ocotilla. May 19, 1885.
- Set No. 2 young Trochilus alexandri. Nest and two young ones. (No. 4069, ♀ ad, is the parent). Mountain Spring, Arizona. May 5, 1885.
- Set No. 2-1 Hummingbird. Nest & one egg. Agua Fria, June 1, 1885.
- Set No. 2 Hummingbird nest & 2 eggs. in Box No. 20.
- Set No. 2 Campylorhynchus brunneicapillus. April 5, 1885. Tucson, Arizona. In a cholla cactus 2 feet from the ground. Set No. 2.

Box No. 20.

- Set No. $\frac{A}{3}$ Buteo borealis calurus. Cienega Creek at, Hancees ranche, 11 miles W. of Ft. Verde, Arizona. March 25, 1885.

Box No. 21.

- Set. $\frac{A}{4-1}$ Apelocoma woodhousei. near Bumblebee, Central Arizona, May 18, 1885. Embryos nearly ready to burst out of the shells.
- Set. $\frac{E}{4}$ Campylorhynchus brunneicapillus. April 3, 1885. Near Red Rock, Arizona. Nest in mesquite-tree, about 20 feet from the ground.

- Set No. $\frac{2}{3}$ Campylorhynchus brunneicapillus. April 30, 1886.
Foothills near Bowie Station, Arizona.
- Set No. $\frac{B}{4}$ (Species not known). March 31, 1885, Maricopa,
Arizona. Nest purse-shaped, exactly like
the Cactus wren's.
- Set No. $\frac{C}{3-2}$ Harporhynchus cinereus bendirei. April 3, 1886.
Pachuco Station, Arizona. Only one egg preserved, dried.
- Set No. $\frac{A}{5}$ Campylorhynchus brunneicapillus. Eggs ready
to hatch; only one blown, the rest dried. March
31, 1885, Maricopa, Arizona. Nest in a cactus
seven (7) feet from the ground.
- Set No. $\frac{E}{3}$ Harporhynchus crissalis. Montezuma's Well,
Beaver Creek, Arizona, April 2, 1886. Eggs slightly
incubated. Nest in a haw-bush, 3 feet from ground.
- Set No. $\frac{6}{1}$ Lanius ludovicianus excubitorides. April 8,
1886. Nest in midst of a dense and spiny haw-
bush. Bulky and softly lined - feathers, etc. 4 feet
from ground. Incubation somewhat advanced.
Ft. Verde, Arizona.
- Set No. $\frac{3}{3}$ ~~Minus polyglottus~~ Aphelocoma woodhousei, May 8, 1886. Foothills
of Middle Verde Valley, Arizona. Oak-tree,
10 feet. 3 eggs were added (they were blown) and 2
contained large embryos. See Journal Vol. II, p. 217.
The label in the box with this set reads "Aphelocoma woodhousei".
- Box No. 22.
- Set No. $\frac{4}{1}$ Minus polyglottus. May 13, 1886. Ft. Verde, Ariz.
Nest in a mesquite-bush, 3 ft. from ground.
- Set No. 177 $\frac{a}{4}$ Pipilo aberti. May 29, 1884. Ft. Verde, Arizona.
(continued next sheet.)

Sheet 4.

List of Birds' eggs.
(Box No. 22 - Concluded.)

- Set No. 2 Harporhynchus crissalis. Fort Verde, Arizona,
February (22nd?) (see Journal for date. Male parent
secured) 1888. Nest in a slender species of
Cylindropuntia, bearing pale greenish-yellow
flowers, growing up in a mesquite-bush. It
was very effectually guarded. I got at it with
difficulty. I preserved the inner part
of the nest. The whole structure would
fill a half-bushel-measure, and some
of the sticks were apparently (seemingly) too
heavy for so small a bird to raise from
the ground.
- Set No. 182 $\frac{a}{2}$ Zenaidura macroura. June 3, 1884. Ft. Verde,
Arizona.
- Set No. $\frac{2+1}{2}$ Vireo pusillus. June 26, 1884. Ft. Verde, Ariz. Nest contained
Molothrus a. obscurus, one egg.
- Set No. $\frac{3}{2}$ Phainopepla nitens. June 26²⁶, 1884. Ft. Verde, Arizona
- Set No. $\frac{2}{2}$ Dendroica aestiva. June 26, 1884. Ft. Verde, Arizona.
- Set No. $\frac{3}{3}$ July 2, 1884. Pipilo aberti. Ft. Verde, Arizona
- Set No. $\frac{a}{4}$ Harporhynchus crissalis. June 16, 1884. Ft. Verde, Arizona
- Set No. $\frac{a}{2-1}$ Pyrocephalus rubinus mexicanus. June 16, 1884.
Fort Verde, Arizona.
- Set No. $\frac{3}{2}$ Phainopepla nitens. June 18¹⁸, 1884. Ft. Verde, Arizona.
- Set No. $\frac{3}{3-4}$ Carpodacus frontalis. June 14, 1884. Ft. Verde, Arizona.
- Set No. $\frac{3}{3}$ Icteria virens longicauda. June 18, 1884 do
- Set No. $\frac{4-3}{4}$ Mimus polyglottus. June 14, 1884 do
- Set No. $\frac{1}{1}$ Zenaidura macroura. June 16, 1884 do Au.
added egg. Nest deserted.

Set No 175 $\frac{A}{4}$ Icterus virens longicauda. May 26, 1884. Ft. Verde, Arizona.
 " " $\frac{B}{2-1}$ Phainopepla nitens. June 18, 1884. do

Box No. 23.

No 174 Set $\frac{A}{5-1}$ Minus polyglottus May 24, 1884, Ft. Verde, Arizona.

No. Set $\frac{B}{2}$ Harporhynchus crissalis. March. 11, 1887. Ft. Verde, Arizona. Nest found March 11, and left until the 14th, when no more eggs had been laid, so I took it.

No Set $\frac{B}{4}$ Harporhynchus crissalis. March 15th, 1887. Found on March 12th, when it only contained two eggs.

Fort Verde, Arizona.

No. 178 Set $\frac{B}{5}$ Minus polyglottus. May 30, 1884. Ft. Verde, Arizona.

No Set $\frac{A}{2}$ Phainopepla nitens. June 14, 1884. Ft. Verde, Arizona. Nest on fork of cottonwood-tree near Post.

No. 183 Set $\frac{B}{3}$ Zenaidura macroura. June 3, 1884. Ft. Verde, Arizona. Nest in cottonwood 10 feet. The only one I ever found having three eggs. Two birds were not laying together. I shot the female as she flew from the nest.

No. 181 Set $\frac{C}{5}$ Minus polyglottus. June 3, 1884. Ft. Verde, A. S.

No Set $\frac{B}{2-3-4}$ Lophortyx gambeli. 4 Shells from which young quails had hatched. Ft. Verde, Arizona, June 22, 1884.

No. Set $\frac{B}{3}$ Empidonax pusillus. June 21, 1884. Ft. Verde, Arizona.

No. Set $\frac{B}{2}$ Zenaidura macroura. do do

No Set $\frac{B}{1}$ Phainopepla nitens, do do

Box No. 24.

No. Set $\frac{B}{1}$ Geococcyx californianus. June 26, 1884. Ft. Verde.

No. Set $\frac{B}{2}$ Reithro borealis calurus. March 31, 1887. Ft. Verde, Arizona. Parents are Nos. 5207 & 8.

(Box No 24 - Concluded.)

- No. Set 4 Aegialitis vociferus. May 2, 1887, Ft. Verde, Ariz.
- No. Set ^A5 Eulicia americana. May 11, 1887, From Peck's Lake, Upper Verde Valley, Arizona.
- 578 Eggs in Boxes 1 to 24.

Box No. 25.

- No. Set ^A10 Callipepla gambeli. June 24, 1884. Ft. Verde, Arizona.
- " 184 " ^C2 Zenaidura macroura. June 3, 1884. Ft. Verde, Arizona.
- " ^B3 Pipilo aberti. June 13, 1884. do
- " ^a4 Tyrannus verticalis. June 4, 1885. do Both parents preserved. Nest built in a sycamore-tree, 20 feet from the ground.
- No. Set ²5 Mimus polyglottus. June 10, 1884. Ft. Verde, A. T.
- No. Set - Icteria virens longicauda. June 4, 1885. do Nest built in Sugar-berry (hackberry) 6 ft. high, on Beaver Cr.
- No. Set ^a4 Amphispiza bilineata. June 13, 1884. Ft. Verde, Arizona.
- No. Set ^a4 Sayornis saya. June 9, 1884. do
- No. Set ¹⁺¹⁰ Icteria v. longicauda } June 4, 1884. do
Molothrus a. obscurus }
- No. Set 2 Zenaidura macroura. June 4, 1884. do
- No. Set 1 Dendroica aestiva. June 4, 1884. do Nest in high fork of largest China berry tree, 15 or 20 feet.

Box No. 26.

- No. Set 3 Pipilo aberti. April 8, 1887. Ft. Verde. See Journal page 193.
- No. Set ^C3 Icteria virens longicauda. June 9, 1884. Ft. Verde, Arizona.
- No. Set 2 Zenaidura macroura. June 13, 1884. Ft. Verde, Arizona.
- No. Set ^C3 Pipilo aberti. June 13, 1884. Ft. Verde, Arizona. ^a full set.
- No. Set 3 Icteria virens longicauda. June 10, 1884. Ft. Verde, Ariz.
- No. Set 2 Zenaidura macroura. June 10, 1884. do

- No. Set $\frac{a}{6}$ *Carpodacus frontalis*. June 13, 1884. Ft. Verde, Arizona.
 No. Set $\frac{a}{3}$ *Empidonax pusillus*. June 13, 1884. do
 No. Set $\frac{a}{4-1}$ *Auriparus flaviceps*. June 5, 1884. do
 No. Set 4 *Geothlypis trichas occidentalis*. June 5, 1884 do
 No. Set $\frac{a}{3}$ *Empidonax pusillus*. June 7, 1884. do
 No. Set $\frac{c}{1}$ *Molothrus ~~otus~~ obscurus* } June 13, 1884 do
 Set $\frac{c}{111}$ *Ureio pusillus*
 No. 176 Set $\frac{a}{4-3+1}$ *Ureio pusillus et Molothrus obscurus* May 27, 1884. do
 No. Set $\frac{a}{3}$ *Phainopepla nitens*. June 19, 1884. do
 No. Set $\frac{a}{3}$ *Phainopepla nitens* June 19, 1884 do
 No. Set 2 *Zenaidura macroura*. June 18, 1884 do

Box No. 27.

- No. Set $\frac{a}{2}$ *Phainopepla nitens*. June 19, 1884. Ft. Verde, Arizona.
 No. Set 2 *Zenaidura macroura*. June 21, 1884. do
 No. Set $\frac{a}{2}$ *Melospiza fasciata fallax*. June 12, 1885. do Parents:
 Nos. 40902 + 40917. Nest in a cottonwood sapling, 8 ft.
 from the ground, in an exposed situation, near the
 close beside the Verde River.
 No. Set $\frac{a}{2}$ *Zenaidura macroura*. Nest 5 feet high, in mesquite.
 June 3, 1885. Ft. Verde, Arizona.
 No. Set $\frac{a}{6-2}$ *Salpinctes obsoletus*. June 5, 1885. No 4098? parent.
 Fort Verde, Arizona.
 No. Set 3 *Carpodacus frontalis*. June 3, 1885. Ft. Verde, Arizona.
 No. Set 2 *Zenaidura macroura*, May 21, 1886. Ft. Verde, Ariz. Nest in cottonwood.
 No. Set 1 " " do do do
~~No. Set $\frac{a}{4}$ *Otocoris alpestris*. do do do~~
~~Nest in willow. Parent procured.~~
 No. Set 3 *Melospiza fasciata fallax*. May 26, 1886. Ft.
 Verde, Arizona. No. 4865? parent. Nest placed close to
 the water of sluice of Verde River, in a small tuft of brush
 and grass.
 (Continued on Sheet 5.)

Sheet 5.

(Box No. 27—Concluded.)

- No. Set 3 Tyrannus verticalis. May 21, 1886. Ft. Verde, Arizona.
Nest in sycamore-tree.
- No. Set 4 Icteria virens longicauda. May 21, 1886. Ft. Verde, Arizona.
Nest in "asparagus" composite.
- No. Set 4 Helminthophila psaltria. May 21, 1886. Ft. Verde, Arizona.
- No. Set 3 Dryobates scalaris. May 16, 1886. Cottonwood-tree, 10 ft. ^{least}
in Port of Ft. Verde, Arizona. Nest has been used 3 years at
- No. Set 1 Carpodacus frontalis. 1 egg. May 21, 1886. Ft. Verde, Ariz.
Nest in cottonwood. Egg of peculiar form.
- No. Set 3 Carpodacus frontalis. April 3, 1887. Box Cañon of the
Lower Verde. Nest built in the thatch roof of a cabin.
- No. Set $\frac{a}{3}$ Spiza amoena. June 2, 1886. Ft. Verde, Arizona.
- No. Set 3 Carpodacus frontalis. May 26, 1886. Ft. Verde, Arizona.
- No. Set 3 Carpodacus frontalis May 26, 1886 do

Box No. 28.

- No. Set $\frac{B}{4}$ Aegialitis vociferus. May 26, 1886. Ft. Verde, Arizona.
- No. Set 3 Actitis macularia. May 26, 1886. do.
- No. Set $\frac{a}{5}$ Megascops asio lichopsis. April 27, 1886 do
- No. Set 3-1 Geococcyx californianus. July 10, 1885. Ash Creek,
at Hudsons Station, Arizona.
- No. Set $\frac{a}{4}$ Aegialitis vociferus. June 2, 1885, Ft. Verde at mouth
of Beaver Creek. Nest a bed of white pebbles as large
as beans, carefully arranged in cup-shape, the size of
an ordinary tea saucer. Perfectly fresh. Locality a
sand flat, covered with dark gray stones, mixed with
white limestone. Discovered by watching the parents.

Box No. 29.

- No. Set 2 *Zenaidura macroura*. May 26, 1886. Ft. Verde, Arizona.
- " " 17-15 *Callipepla gambeli*. May 8, 1886. Ft. Verde. See Journ. p. 218.
- " " 6 *Lanius lud. excubitorides*. April 13, 1886. Ft. Verde. Nest in a haw-bush, 4 feet from the ground.
- No. Set 17 *Pipilo aberti*. May 19, 1886. Ft. Verde. Lower limbs of ^(wood) cotton.
- No. Set 2 *Tyrannus verticalis*. May 26, 1886. Ft. Verde, Arizona. Nest in a sycamore-tree.
- No. Set 4 *Icteria virens longicauda*. May 26, 1886. Ft. Verde, A. T.
- " " 3 " " " do do
- " " 2 *Zenaidura macroura*. May 13, 1886. Ft. Verde, Arizona. Nest in a mesquite-bush, 4 feet from the ground. "nest preserved."
- No. Set 5 *Lanius lud. excubitorides*. April 11, 1886. Ft. Verde, Arizona. Nest in a haw-bush.
- No. Set 4 ^a *Dryobates scalaris*. April 27, 1886. Ft. Verde, A. T. Nest in a cottonwood stump 10 feet from ground.
- No. Set 4 ^c *Campylorhynchus brunnei capillus*. Parent 3867 ♂ ad. Casa Grande, Arizona, April 2, 1885. Built in cholla cactus five feet from the ground.
- No. Set 4 *Mimus polyglottus*. Ft. Verde, Arizona, June 2, 1886. Nest in a Sagebush, 3 feet from the ground.

Box No. 30.

- No. Set 2 *Zenaidura macroura*. May 26, 1886. Ft. Verde, Arizona.
- No. Set 3 ^B *Aphelocoma woodhousei*. May 8, 1886. Ft. Verde, Arizona. See Journal p. 217.
- No. 2 Set 1 *Zenaidura macroura*. June 1, 1885, Ft. Verde, Arizona. Built oblique trunk of willow, resting on branchlets, ten feet from the ground.
- No. Set 3 ^H *Phainopepla nitens*. June 20, 1884. In willow-like bush ("desert willow") near Ft. Verde, Arizona.

- Two odd eggs of Parpodacus frontalis.
 Ft. Verde, Arizona ^{May 10,} 1887. From different nests
- No. Set $\frac{9}{2}$ Phainopepla nitens. In a cedar-tree near
 Ft. Verde, Arizona, June 20, 1884.
- No. Set $\frac{13}{3}$ Sayornis saya. June 2, 1885. Ft. Verde, Arizona.
 Built in a limestone shelf in side-wall of a
 deep, narrow cañon, near Verde River.
- No. Set 4 Minus polyglottus. June 1, 1885. Ft. Verde, Arizona.
 Nest in mesquite, 3 feet from the ground.
- No. Set 2 Harporhynchus crissalis. Feb. 18, 1886. Ft. Verde, A.T.
 Nest, 2 eggs, & both parents.
- No. Set 2 Zenaidura macroura. June 2, 1885. Ft. Verde, A.T.
 Built in fork of cottonwood-tree, 7 feet from ground.
- No. Set 5 Sayornis saya. April 8, 1886. Fort Hospital, Fort
 Verde, Arizona. Built on top of a pillar of porphyry.
 See Journal, page 187.
- No. Set 2 Zenaidura macroura. July 18, 1884. Ft. Verde, Arizona.
- No. Set 5 Petrochelidon lunifrons. June 3, 1884 do
- No. Set 4 do do do do
- No. Set 7 Geococcyx californianus, June 11, 1884 do
 Measures 31.7 x 40 mm. Fresh Nest in mesquite

Box No. 31.

- No. Set 2 Zenaidura macroura. May 29, 1886. Ft. Verde, Arizona.
- No. Set 2 Callipepla gambeli. June 6, 1885. do
 Nest built in a little cavity in the side of
 an arroyo, so small that the enormous clutch
 of eggs filled it two layers deep.
 also fragments of shells of eggs of Falco peregrinus naevius from
 Beaver Creek, near Ft. Verde, June 3, 1885.

Box No. 32.

- No. Set 3 Callipepla gambeli. June 29, 1885. Eggs dried in the
 sun. Ft. Verde, Arizona July 29, 1885.

No. Set 12 Callipepla gambeli. June 20, 1886. Ft. Verde, Arizona.

Fragments of egg shells of Falco peregrinus naevius from eyrie on Beaver Creek Cliff near Fort Verde, Arizona, April 26, 1886.

No. Set Nest of Poliptila plumbea. Label within it.

No. Set 2 " " Troctilus alexandri, Ft. Verde, Arizona June 2, 1885. Built in branch of largest china tree, at mouth of Beaver Creek. One young one hatched after I took the nest & was preserved in alcohol.

Box No. 33.

No. Set 18 Callipepla gambeli. Fort Verde, Arizona June 13, 1885.

No. Set 2 Zenaidura macroura, May 26, 1886. Fort Verde, Arizona.

No. Set 3 Harporhynchus crissalis. May 26, 1886. Ft. Verde, Arizona. Nest in dense growth of lowest branchlets clustering around the trunk of a cottonwood-tree.

No. Set 2 Zenaidura macroura. June 1, 1886. Fort Verde, Arizona.

Box No. 34

No. Set 13 Callipepla gambeli. May 20, 1886. Ft. Verde.

No. Set 2 Zenaidura macroura. July 17, 1884. Ft. Verde.

No. Set 3 Harporhynchus crissalis. March 16, 1887. do

No. Set 2 Zenaidura macroura. July 19, 1884. do

No. Set 3 Pipilo aberti. July 2, 1884. Ft. Verde, A. T. See Journal p. 128

No. Set 4 Icterus bullocki, Ft. Verde, A. T. Nest preserved.

No. Set 3 Harporhynchus crissalis July 2, 1884. Fort Verde, Arizona.